



PTO/SB/08B (08-03)
Approved for use through 07/31/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.
PATENT Institute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete If Known

Application Number	10/719,625
Filing Date	November 21, 2003
First Named Inventor	Charles R. Barmore
Art Unit	To be assigned - 1772
Examiner Name	To be assigned M. Missings
Attorney Docket Number	D-43664-01
Sheet 1 of 1	

NON PATENT LITERATURE DOCUMENTS

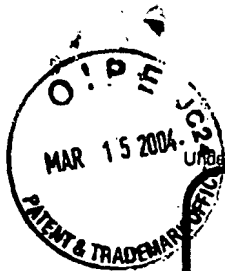
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
AC	1.	Japanese Patent Abstract No. JP 2003335380 (Otsuka Seiyaku), Date unknown	

Examiner Signature	<i>Michael J. ...</i>	Date Considered	8/18/05
--------------------	-----------------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 3

Complete If Known

Application Number	10/719625
Filing Date	November 21, 2003
First Named Inventor	Charles R. Bamore
Art Unit	Not yet assigned 1372
Examiner Name	Not yet assigned M. Higgins
Attorney Docket Number	D-43664-01

U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known)			
MCH	1.	US- 5,686,161		11/1997	Cullen et al.	
	2.	US- 4,820,606		04/1989	Miyasaka et al.	
	3.	US- 5,744,246		04/1998	Ching	
	4.	US- 5,529,833		06/1996	Speer et al.	
	5.	US- 5,358,876		10/1994	Inoue et al.	
	6.	US- 5,043,286		08/1991	Khalil et al.	
	7.	US- 6,139,799		10/2000	Kimball et al.	
	8.	US- 5,298,310		03/1994	Havens	
	9.	US- 5,439,648		08/08/1995	Balderson et al.	
	10.	US- 5,617,812		04/08/1997	Balderson et al.	
	11.	US- 5,849,594		12/15/1998	Balderson et al.	
	12.	US- 6,190,612	B1	02/20/2001	Berger et al.	
	13.	US- 2003/0008400	A1	01/09/2003	Putnam et al.	
	14.	US- 4,810,655		03/07/1989	Khalil et al.	
	15.	US- 5,043,286		08/27/1991	Khalil et al.	
	16.	US- 5,110,530		05/05/1992	Havens	
	17.	US- 5,211,875		05/18/1993	Speer et al.	
	18.	US- 5,316,949		05/31/1994	Bull et al.	
	19.	US- 5,310,497		05/10/1994	Ve Speer et al.	
	20.	US- 5,350,622		09/27/1994	Speer et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	To
		Office ³	Number ⁴	Kind ⁵ (if known)				
MCH	1.		WO 98/05703		02/12/1998	Cook, Jr. et al.		
	2.		WO 01/63264	A1	08/30/2001	Arie Draaijer		
	3.		WO 01/69243	A1	09/20/2001	Van Duijn et al.		
	4.		JP2003034001	A	02/04/2003	Toppan Printing		

Examiner
Signature

Michael C. Higgins

Date
Considered

8/6/07

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Complete If Known		
Sheet	2	of	3	Application Number	10/719625
				Filing Date	November 21, 2003
				First Named Inventor	Charles R. Barmore
				Art Unit	Not yet assigned 1772
				Examiner Name	Not yet assigned J. Higgins
				Attorney Docket Number	D-43664-01

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code (if known) ²			
ACA	21.	US-	5,483,819	01/16/1996	Barmore et al.	
	22.	US-	5,529,833	06/25/1996	Speer et al.	
	23.	US-	5,583,047	12/10/1996	Blinka et al.	
	24.	US-	5,904,960	05/18/1999	Becraft et al.	
	25.	US-	5,911,910	06/15/1999	Becraft et al.	
	26.	US-	5,993,922	11/30/1999	Babrowicz et al.	
	27.	US-	6,233,907 B1	05/22/2001	Cook, Jr. et al.	
	28.	US-	6,287,481	09/11/2001	Luthra et al.	
	29.	US-	6,297,508 B1	10/02/2001	Barmore et al.	
	30.	US-	5,863,460	01/26/1999	Slovacek et al.	
ACA	31.	US-	6,015,715	01/18/2000	Kirschner et al.	
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				
		US-				

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ²
		Office ³	Number ⁴	Kind ⁵ (if known)				

Examiner Signature		Date Considered	8/6/07
-----------------------	--	--------------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/719625
				Filing Date	November 21, 2003
				First Named Inventor	Charles R. Barmore
				Art Unit	Not yet assigned - 1732
				Examiner Name	Not yet assigned - J. Higgins
Sheet	3	of	3	Attorney Docket Number	D-43664-01

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials [*]	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
HC	1.	"A Novel Solid-State Oxygen Sensor", <u>Johns Hopkins APL Technical Digest</u> , Volume 17, Number 4 (1996), Pages 377-385.	
	2.	"Effects of Polymer Matrices on the Time-Resolved Luminescence of a Ruthenium Complex Quenched by Oxygen", <u>Journal of Physical Chemistry</u> , 1995, 99, Pages 3162-3167.	
	3.	"Photophysics and Photochemistry of Oxygen Sensors Based on Luminescent Transition-Metal Complexes", <u>Analytical Chemistry</u> 1991, Volume 63, Pages 337-342.	
	4.	"Determination of Oxygen Concentrations by Luminescence Quenching of a Polymer-Immobilized Transition-Metal Complex", <u>Analytical Chemistry</u> , 1987, Volume 59, Pages 2780-2785.	
	5.	"Monitoring - Non-invasive method for determining oxygen in food packaging", <u>Food, Cosmetics and Drug Packaging</u> , June 2000, 2 pages	
	6.	English abstract of JP 2003307513A dated 10/31/2003 entitled "Oxygen indicator for packaging bag, includes ink applied to base, and sealant layer provided on the base through adhesive agent, such that adhesive agent is not formed on ink portion of base", Toppan Printing Co. Ltd.	
HC	7.	Plastics Applications/PET Bottles with Oxygen Scavenger, <u>Plastics Engineering</u> , August 2003, page 16.	

Examiner Signature	<i>Michael C. Higgins</i>	Date Considered	8/6/07
--------------------	---------------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 120 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.